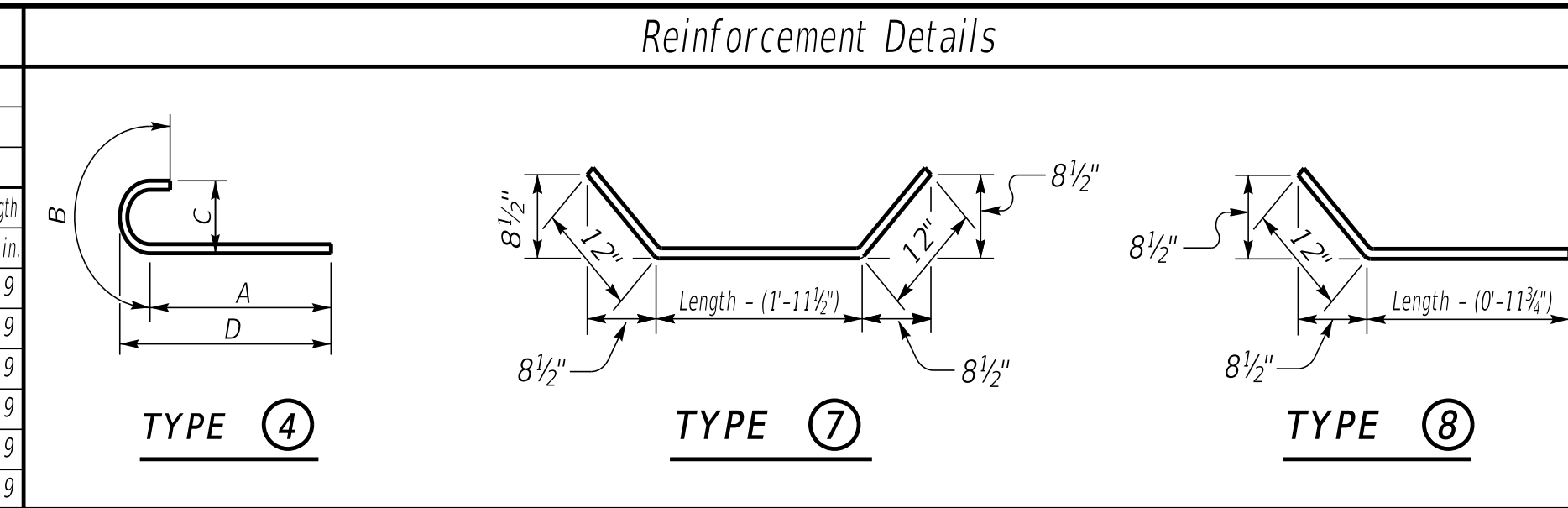


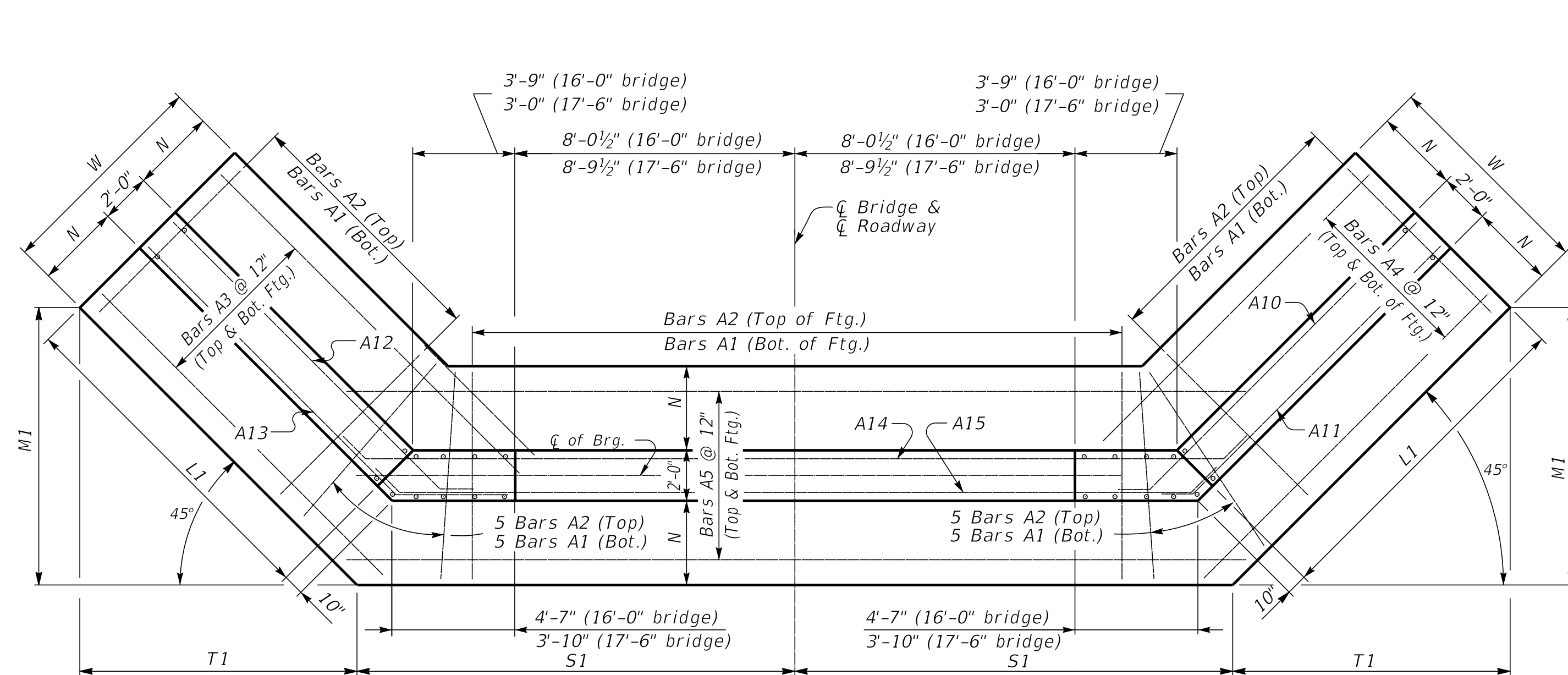
# 0° SKEW 16'-0" - 17'-6" BRIDGE WIDTH 2:1 FILL SLOPES

MARK		A1	A2	A3	A4	A5	A6				A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18
TYPE		Str.	Str.	Str.	Str.	Str.	4				Str.	Str.	Str.	8	8	8	8	7	7	Str.	Str.	Str.
SIZE				#5	#5	#5					#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5
H	No.	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length
15-16	68	10 1/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8
13-14	64	9 10/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8
11-12	61	8 9/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8
9-10	57	7 8/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8
7-8	50	6 7/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8
5-6	48	5 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8	12 6/8



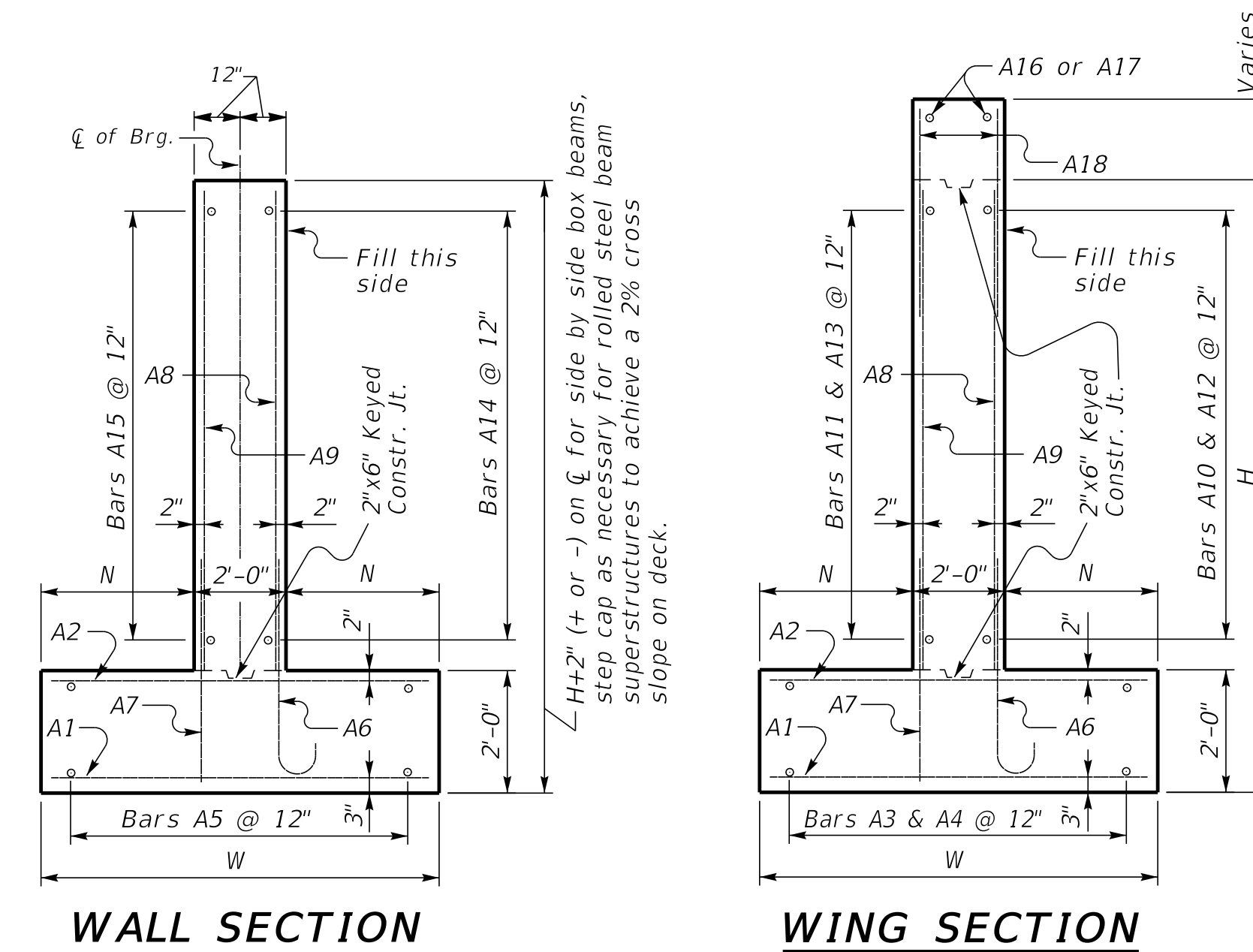
H	W			N			M1			S1			T1			L1			
	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length		
15-16	12	0	5	0	16	10	12	0	14	2	2	4	2	2	4	10	8	5	9
13-14	11	0	4	0	14	7	10	0	13	7	14	5	14	7	14	7	14	7	14
11-12	10	0	4	0	13	7	10	0	13	7	14	3	13	7	14	3	13	7	14
9-10	9	0	3	0	11	6	10	0	11	6	14	3	11	6	14	3	11	6	14
7-8	7	6	2	9	8	5	12	9	13	9	13	9	8	5	12	9	13	9	13
5-6	6	6	2	3	6	10	10	6	13	6	13	6	6	10	10	6	13	6	13

4 foot min. shoulder



PLAN

NOTE: Trim A16 & A17 bars if necessary



WALL SECTION

WING SECTION

H	Concrete*		Reinforcement	
	C.Y.	Reinforcement	LBS.	Reinforcement
5	32.3	2801	2801	2801
6	35.3	2801	2801	2801
7	45.5	3843	3843	3843
8	48.9	3843	3843	3843
9	67.6	5792	5792	5792
10	71.5	5792	5792	5792
11	85.4	8010	8010	8010
12	89.7	8010	8010	8010
13	105.1	11097	11097	11097
14	109.6	11097	11097	11097
15	130.4	14634	14634	14634
16	135.4	14634	14634	14634

\*Concrete quantities computed using 21" beam depth on 1/2" pad & 16'-0" Bridge Width

## GENERAL NOTES

**SPECIFICATIONS:** Construct abutments according to the current edition of the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction. Abutments are designed for side by side box beams as detailed in Standard Drawings BDP-001 through BDP-012, current edition. Dimensions may be adjusted to allow for 17'-6" rolled steel beam bridge width.

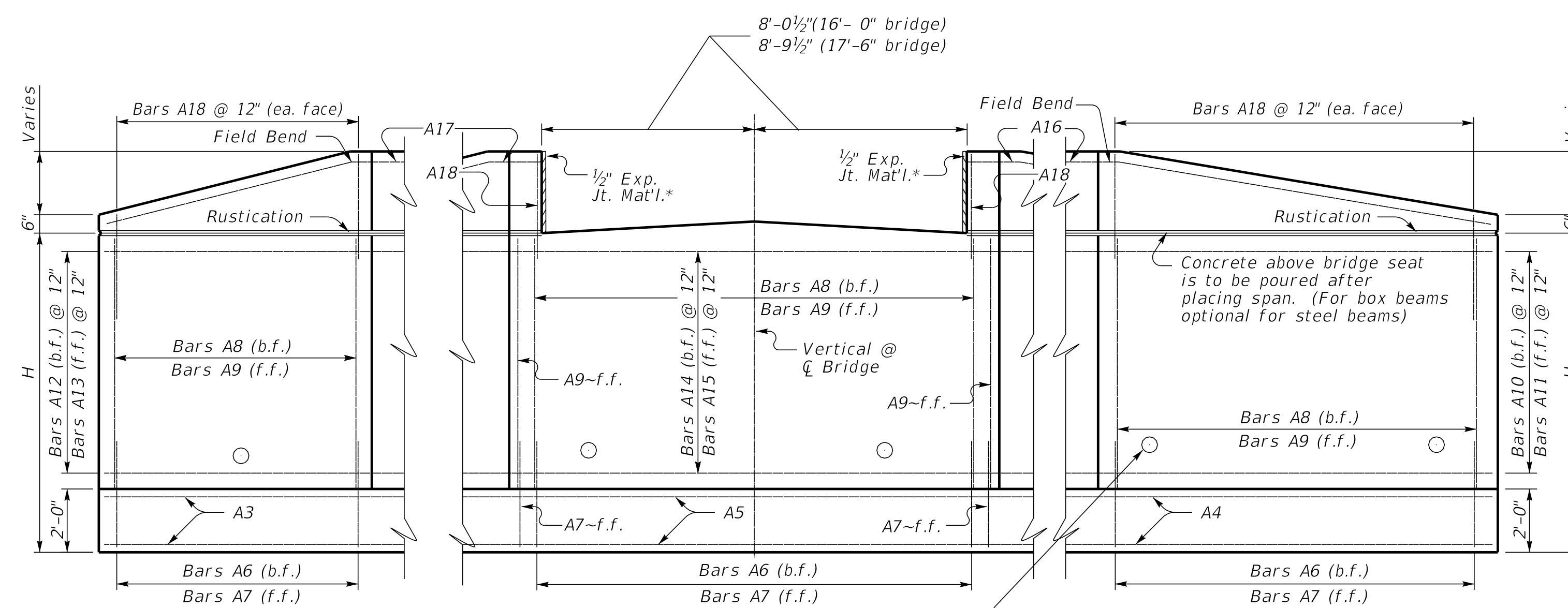
**FOUNDATION PRESSURE:** Construct abutment footings on solid rock bearing material that can support a pressure of 8000 psf service or 10,800 psf strength factored as recommended by a geotechnical engineer.

**WING LENGTHS:** Calculated assuming 21" superstructure depth and stream bank elevation at top of footing.

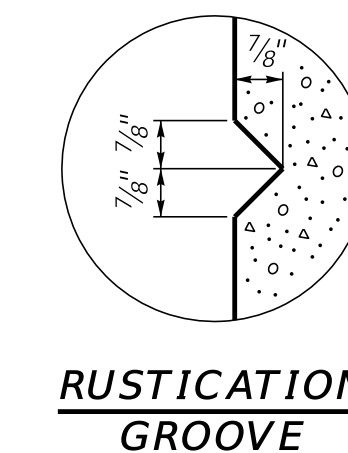
**FOOTING ELEVATION:** Construct bottom of footing below the anticipated scour elevation. (This typically entails embedding the footings 1'-0" to 2'-0" into rock and pouring concrete directly against cut rock faces as recommended by geotechnical engineer.)

**NOTE:** Distances to bars shown are clear dimensions unless otherwise noted.

**MATERIAL SPECIFICATIONS:**  
 Concrete, Class "A" = 3500 psi  
 Steel Reinforcement = Grade 60



ELEVATION



RUSTICATION GROOVE

\*Expansion Joint Material:  
 AASHTO M153  
 Type-I Sponge Rubber

Place 4" weep hole drains at 8'-0" centers at such elevation as to afford best drainage of backfill, in accordance with the Standard Specifications.



COMMONWEALTH OF KENTUCKY  
 DEPARTMENT OF HIGHWAYS



DRAWING TITLE: SEPIA 079 - 0° SKEW 16'-0"-17'-6" BRIDGE WIDTH 2:1 FILL SLP, 4' MIN. SHLDR.

SUBMITTED *Michael Cooper* 10/25/2024  
 DIVISION DIRECTOR DATE

ITEM NO. COUNTY OF

SHEET NO.